

MATTIA PASQUALINI

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EDUCATION

University of Pisa

Master of Science in Finance

Pisa, Italy

October 2022 - October 2024

- Main Courses: mathematical method for finance, business administration, computational economics
- Participation in international research work in econometrics
- Final Evaluation 110/110 Summa cum Laude

Sant'Anna School of Advanced Studies

Honors Student in Economics - master's degree in economics & management

Pisa, Italy

October 2019 - November 2025

- Selected through an international competition with a 2% selection rate
- Main Courses: Research methods, data analytics, statistics, calculus
- Final Evaluation 100/100 Summa cum Laude
- Dissertations:
 - i. "Water management in Italy: An overview of a natural monopoly"
 - ii. "Heterogeneity and local interactions on macroeconomic dynamics"
 - iii. "Weaving Innovation: Universities as connectors and catalysts in European Collaboration Network"

The London School of Economics & Political Science (LSE)

Summer School in Advanced Corporate Finance

London, United Kingdom

July 2022 - August 2022

- Full scholarship awarded by Sant'Anna School of Advanced Studies
- Main Subjects: Capital Structure, Valuation of M&A, Taxes
- Conducted M&A valuation analyses, including synergy assessment and transaction comparables

École Normale Supérieure (ENS)

Exchange student in Economics and Econometrics

Paris, France

September 2021 - January 2022

- Selected in an international competition, attending courses focusing on public economics, finance and quantitative methods
- Collaborated with prominent researchers and professors in the field of econometrics, participating in research projects and contributing to the development of significant academic studies
- Applied econometric techniques to real-world datasets, gaining practical experience in data analysis and interpretation, and sharpening my skills in econometric modeling and forecasting

University of Pisa

Bachelor of Science in Economics

Pisa, Italy

October 2019 - March 2022

- Main Courses: Business Administrations, Mathematical Methods, Macro, Statistics
- Final Evaluation 110/110 Summa cum Laude
- Graduated one semester early
- Student representative in the Economics department

WORK EXPERIENCE

Tilburg University

Researcher & Project Manager

Tilburg, The Netherlands

September 2024 - September 2025

- Directed research on the social and organizational adoption of AI in critical infrastructure sectors, integrating stakeholder engagement, large-scale surveys, and data-driven insights
- Applied network analysis, system dynamics, and agent-based modeling to forecast societal impacts
- Partnered with industry and public sector stakeholders across the Caribbean to advance UN SDGs on Clean and affordable water

Sant'Anna School of Advanced Studies

Research Associate

Addis Ababa, Ethiopia

September 2023 - December 2023

- Undertaking fieldwork in Addis Ababa as a component of my Master's degree program
- Focusing on the implementation and efficacy of humanitarian aid programs
- Assess financial sustainability of local communities
- Developed KPIs and monitoring frameworks to assess program performance
- Performed quantitative analysis of survey and program data to identify key drivers of program effectiveness

Bain & Company

Associate Consultant Intern

Milan, Italy

January 2023 - May 2023

- Conducting in-depth market analysis, providing valuable insights used in the formulation of effective business strategies
- Direct participation in high-profile consulting projects, contributing to the creation of innovative solutions and the development of data-driven strategic recommendations
- Leveraging advanced data analytics techniques to extract actionable insights and drive informed decision-making processes

Hyntelo srl

Junior Product Specialist

Pisa, Italy

September 2022 - December 2022

- Strategically guided the product development process, effectively coordinating the development team and collaborating with the marketing department to define product goals and unique features
- Conducted in-depth market research to identify customer needs and positioning opportunities, translating this information into clear requirements for the development team and overseeing the entire product lifecycle

Italian Ministry of Economic Development

Research Intern

Rome, Italy

January 2022 - July 2022

- Active involvement in research projects and analysis of key sectors of the economy, helping to identify emerging trends and strategic challenges
- Collaboration with experts in the field to evaluate economic policies and develop proposals to promote innovation, entrepreneurship and competitiveness in the national and international context

JEBE Sant'Anna

Head of Innovation & Project Manager

Pisa, Italy

January 2020 - March 2024

- Junior Enterprise, in charge of 15 people team and directly interfacing with the client
- Financial modeling, business plan, product launch, investment valuation and market analysis
- Drafted reports on several companies, market research and consulting for firms operating in different industries

AWARDS

- **Zegna scholarship** - Funded research activities for my master's thesis - acceptance rate <1% November 2024
- **University of Pisa** - Top 1% in academic performance at master level September 2024
- **University of Pisa** - Top 2% in academic performance at undergraduate level September 2022
- **LSE** - Complete scholarship for Summer School in Advanced Corporate Finance August 2022
- **Mentors4U** - Selected and awarded as Mentee in 2022 selection June 2022
- **École Normale Supérieure** - International student selection, complete scholarship in Paris August 2021
- **Sant'Anna scholarship** - Top 1.5% in Sant'Anna test, consisting of a full tuition waiver September 2019

SKILLS

- Languages: **Italian** (Native), **English** (Advanced - C1), **French** (Intermediate - B2), **Dutch** (Beginner - A1)
- Computer skills: **Microsoft Excel** (Advanced), **Microsoft PowerPoint** (Advanced), **C++** (Advanced), **Python** (Advanced), **R** (Advanced), **Alteryx** (Advanced), **Microsoft PowerBI** (Intermediate), **Tableau** (Intermediate), **SQL** (Intermediate), **MatLab** (Intermediate), **LaTeX** (Intermediate), **Stata** (Intermediate), **NetLogo** (Intermediate), **Julia** (Intermediate)

RESEARCH PROJECTS

Agent-Based Modeling

April 2022

Conducted advanced research in agent-based modeling, focusing on the dynamics of labor and goods markets under different institutional arrangements. Applied insights from behavioral economics and search theory to enhance model accuracy and predictive capabilities. Analyzed the economy's response to negative productivity shocks, contributing to a deeper understanding of market dynamics and allocation mechanisms.. Leveraging MultiVeStA, a Java-based tool for automated statistical analysis of Agent-Based Models (ABM), discovering the emergence of self-sustaining shock resistance under certain parameters and conditions

Financial Econometrics

December 2023

Conducted research on mutual fund performance evaluation, developing an innovative approach to analyze Jensen's Alpha. Utilized extensive simulation techniques over a 30-year period to assess prediction accuracy across various asset classes. Results demonstrate the methodology's efficacy and potential for future applications